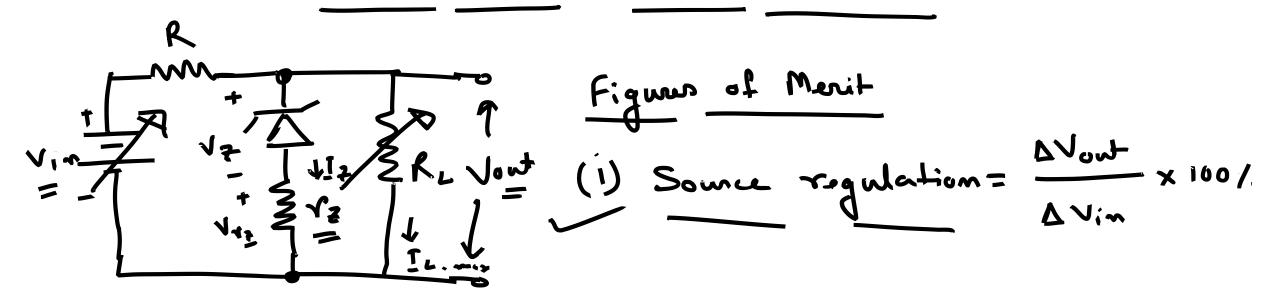
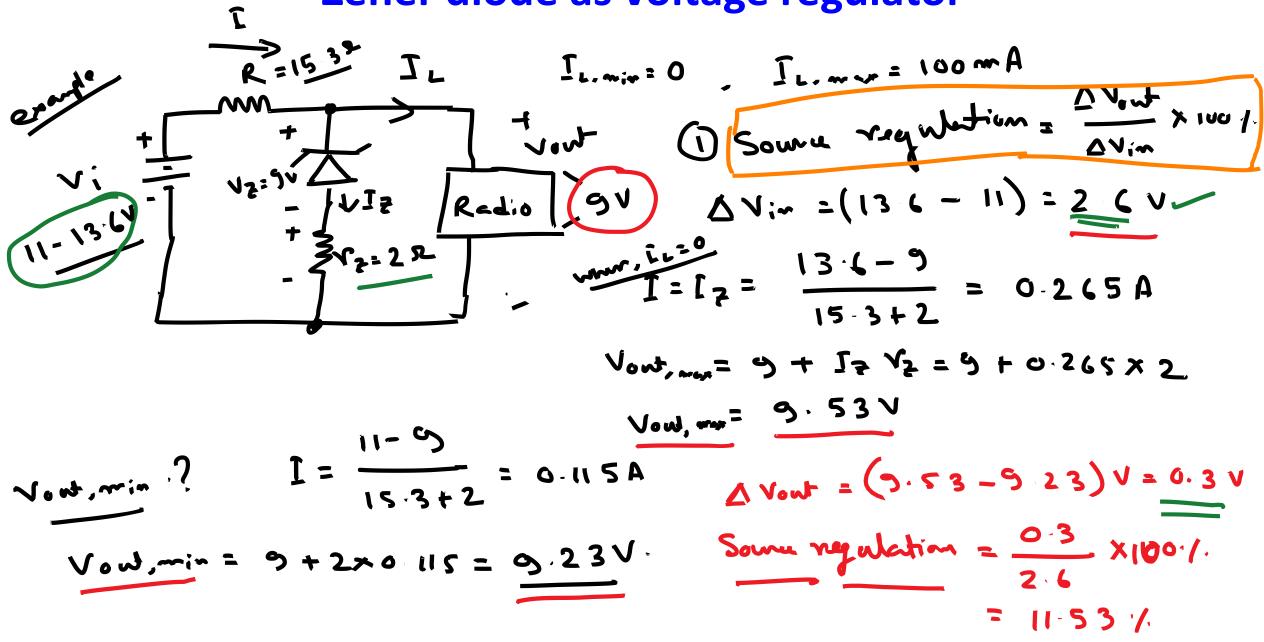
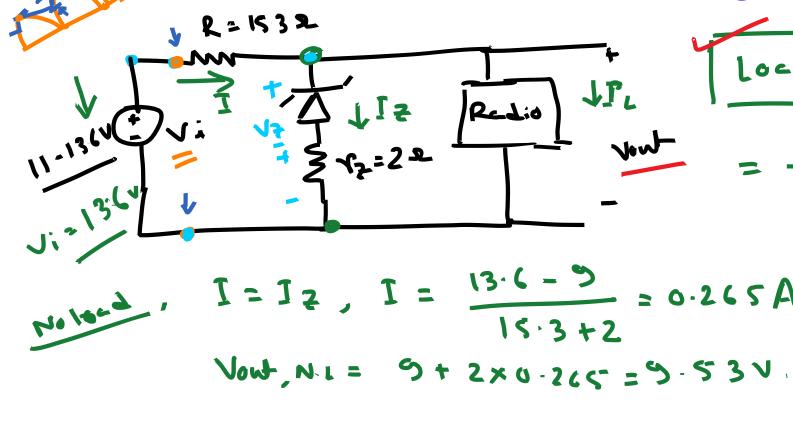
Zener diode as voltage regulator



Zener diode as voltage regulator



Zener diode as voltage regulator



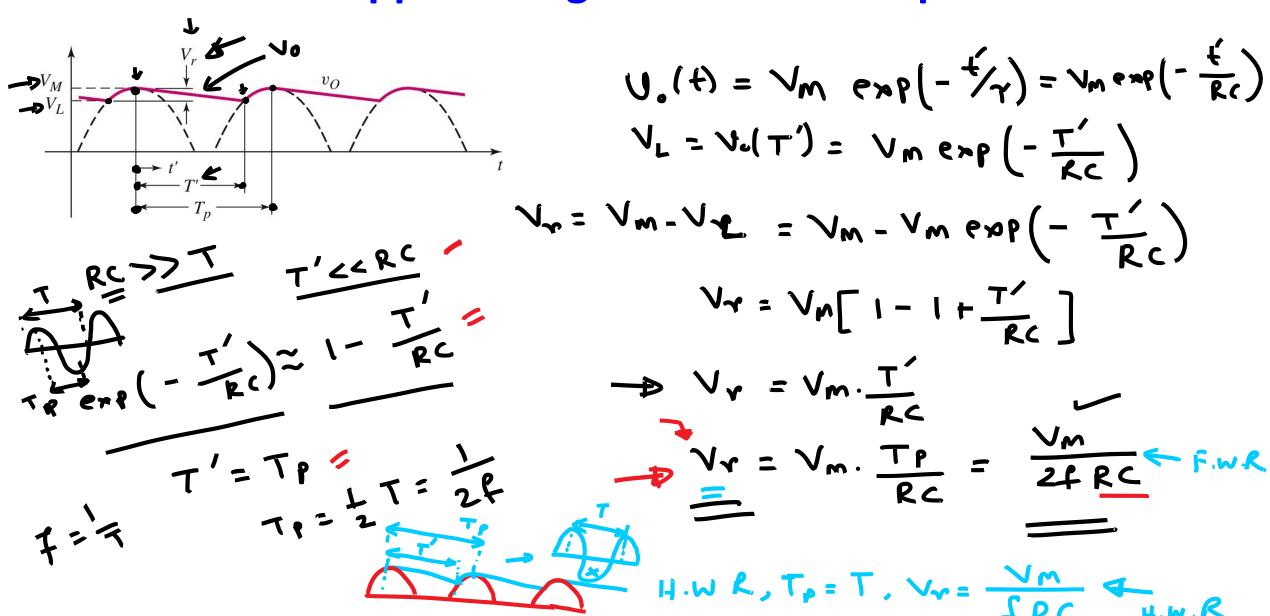
Ful local, gium,
$$I_{L,mx} = 100 \text{ mA} = 0.1 \text{ }$$

$$I_{2} = I - I_{L} = \frac{13.6 - (9 + I_{2} \times 2)}{15.3} - 0.1$$

$$I_{2} = 0.176A$$
, Vow. $F_{L} = 9 + 0.176A$

≈ 1.9.1.

Ripple voltage in rectified output



Source: Electronic circuits: Analysis and Design -by D. A. Neamen, McGraw-Hill

pn junction diode: switching transient

